

Rabbit Nhe-1 Polyclonal Antibody | anti-SLC9A1 antibody

Nhe-1 Antibody

CATALOG # AAA39876	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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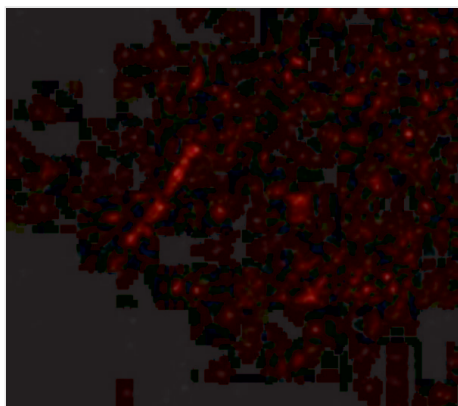
PRODUCT SYNONYMS

Nhe-1; Polyclonal Antibody; Nhe-1 Antibody; APNH; NHE1; NHE-1; APNH1; solute carrier family 9 (sodium/hydrogen exchanger); member 1; anti-SLC9A1 antibody

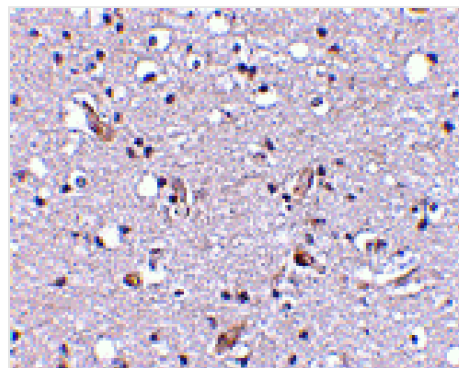
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Nhe-1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	815
Applicable Applications for anti-SLC9A1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Nhe-1 antibody was raised against a 20 amino acid synthetic peptide near the carboxy terminus of the human Nhe-1.
Buffer	Nhe-1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Nhe-1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

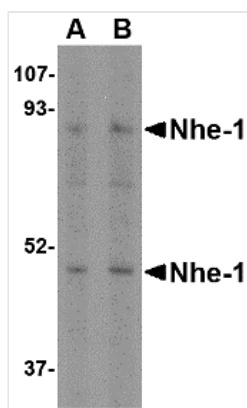
IMAGES


IF (Immunofluorescence)

Immunofluorescence of Nhe-1 in Human Brain tissue with Nhe-1 antibody at 20 &#956;g/mL.


IHC (Immunohistochemistry)

Immunohistochemical staining of human brain tissue using Nhe-1 antibody at 2.5 &#956;g/mL.



WB (Western Blot)

Western blot analysis of Nhe-1 in rat kidney tissue lysate with in with Nhe-1 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC9A1 antibody

Nhe-1 Antibody: The Na⁺/H⁺ antiporter (Nhe-1) is a ubiquitous membrane-bound enzyme involved in pH regulation of vertebrate cells and is specifically inhibited by the diuretic drug amiloride and activated by a variety of signals including growth factors, mitogens, neurotransmitters, and tumor promoters. Nhe-1 acts as an anchor for actin filaments to control the integrity of the cortical cytoskeleton. This occurs through a previously unrecognized structural link between Nhe-1 and the actin-binding proteins ezrin, radixin, and moesin, collectively referred to as ERM proteins. A structural role for Nhe-1 has been proposed in regulating the cortical cytoskeleton that is independent of its function as an ion exchanger. It is also thought that Nhe-1 play a role in hypertension. At least two isoforms of Nhe-1 are known to exist.

NCBI AND UNIPROT INFORMATION

NCBI GI #	127809
NCBI GeneID	6548
UniProt Accession #	P19634; Q96EM2; B1ALD6; D3DPL4
Molecular Weight	61,013 Da
NCBI Official Full Name	Sodium/hydrogen exchanger 1
NCBI Official Synonym Full Names	solute carrier family 9, subfamily A (NHE1, cation proton antiporter 1), member 1
NCBI Official Symbol	SLC9A1
NCBI Official Synonym Symbols	APNH; NHE1; NHE-1; PPP1R143
NCBI Protein Information	sodium/hydrogen exchanger 1; Na(+)/H(+) exchanger 1; Na-Li countertransporter; protein phosphatase 1, regulatory subunit 143; solute carrier family 9 (sodium/hydrogen exchanger), member 1 (antiporter, Na ⁺ /H ⁺ , amiloride sensitive); solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na ⁺ /H ⁺ , amiloride sensitive)
UniProt Protein Name	Sodium/hydrogen exchanger 1
UniProt Gene Name	SLC9A1
UniProt Synonym Gene Names	APNH1; NHE1; NHE-1
UniProt Entry Name	SL9A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nhe-1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39876>